

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/559,631  
Source: IFWP  
Date Processed by STIC: 12/16/05

# ***ENTERED***



IFWP

**RAW SEQUENCE LISTING**

DATE: 12/16/2005

PATENT APPLICATION: US/10/559,631

TIME: 15:32:29

Input Set : A:\134 Sequence Listing.ST25.txt

Output Set: N:\CRF4\12162005\J559631.raw

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3 <110> APPLICANT: SUNG, Moon Hee
4     KIM, Chul Joong
5     JUNG, Chang Min
6     HONG, Seung Pyo
7     LEE, Jong Su
8     CHOI, Jae Chul
9     KIM, Kwang
10    SHUNICHI, Kuroda
11    POO, Ha Ryoung
13 <120> TITLE OF INVENTION: Cell Surface Expression Vector of SARS Virus Antigen and
14    Microorganism Transformed Thereby
16 <130> FILE REFERENCE: 4240-134
C--> 18 <140> CURRENT APPLICATION NUMBER: US/10/559,631
19 <141> CURRENT FILING DATE: 2005-12-03
21 <150> PRIOR APPLICATION NUMBER: PCT/KR2004/001341
22 <151> PRIOR FILING DATE: 2004-06-04
24 <160> NUMBER OF SEQ ID NOS: 28
26 <170> SOFTWARE: PatentIn version 3.3
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 56
30 <212> TYPE: DNA
31 <213> ORGANISM: Artificial
33 <220> FEATURE:
34 <223> OTHER INFORMATION: PRCR primer
36 <400> SEQUENCE: 1
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40 <210> SEQ ID NO: 2
41 <211> LENGTH: 53
42 <212> TYPE: DNA
43 <213> ORGANISM: Artificial
45 <220> FEATURE:
46 <223> OTHER INFORMATION: PCR primer
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52 <210> SEQ ID NO: 3
53 <211> LENGTH: 58
54 <212> TYPE: DNA
55 <213> ORGANISM: Artificial
57 <220> FEATURE:
58 <223> OTHER INFORMATION: PCR primer
60 <400> SEQUENCE: 3
61 aattacactc aacatacttc atctatgcgt ggggtttact atcctgatga aatttttc      58
64 <210> SEQ ID NO: 4

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65 <211> LENGTH: 54
66 <212> TYPE: DNA
67 <213> ORGANISM: Artificial
69 <220> FEATURE:
70 <223> OTHER INFORMATION: PCR primer
72 <400> SEQUENCE: 4
73 aaaatggaag aaataaatcc tgagttaaatt aaagagtgtc tgaacgaaaa attt      54
76 <210> SEQ ID NO: 5
77 <211> LENGTH: 57
78 <212> TYPE: DNA
79 <213> ORGANISM: Artificial
81 <220> FEATURE:
82 <223> OTHER INFORMATION: PCR primer
84 <400> SEQUENCE: 5
85 cttccatttt attctaattgt tactgggttt catactatta atcatcgtt tggcaac      57
88 <210> SEQ ID NO: 6
89 <211> LENGTH: 54
90 <212> TYPE: DNA
91 <213> ORGANISM: Artificial
93 <220> FEATURE:
94 <223> OTHER INFORMATION: PCR primer
96 <400> SEQUENCE: 6
97 ggcagcaaaa taaataccat ccttaaaagg aatgacaggg ttgccaaacg tatg      54
100 <210> SEQ ID NO: 7
101 <211> LENGTH: 53
102 <212> TYPE: DNA
103 <213> ORGANISM: Artificial
105 <220> FEATURE:
106 <223> OTHER INFORMATION: PCR primer
108 <400> SEQUENCE: 7
109 atttattttg ctgccacaga gaaatcaaatt gttgtccgtg gttgggtttt tgg      53
112 <210> SEQ ID NO: 8
113 <211> LENGTH: 57
114 <212> TYPE: DNA
115 <213> ORGANISM: Artificial
117 <220> FEATURE:
118 <223> OTHER INFORMATION: PCR primer
120 <400> SEQUENCE: 8
121 ggtaccaagc ttattacaca gactgtgact tgttggtcat ggtagaacca aaaaccc      57
124 <210> SEQ ID NO: 9
125 <211> LENGTH: 57
126 <212> TYPE: DNA
127 <213> ORGANISM: Artificial
129 <220> FEATURE:
130 <223> OTHER INFORMATION: PCR primer
132 <400> SEQUENCE: 9
133 ggatccgttt gtgggtccaaa attatctact gaccttatta agaaccagtg tgtcaat      57
136 <210> SEQ ID NO: 10
137 <211> LENGTH: 58

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138 <212> TYPE: DNA
139 <213> ORGANISM: Artificial
141 <220> FEATURE:
142 <223> OTHER INFORMATION: PCR primer
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148 <210> SEQ ID NO: 11
149 <211> LENGTH: 57
150 <212> TYPE: DNA
151 <213> ORGANISM: Artificial
153 <220> FEATURE:
154 <223> OTHER INFORMATION: PCR primer
156 <400> SEQUENCE: 11
157 aactccttct tcaaagcggt ttcaaccatt tcaacaattt ggccgtgatg tttctga      57
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161 <211> LENGTH: 54
162 <212> TYPE: DNA
163 <213> ORGANISM: Artificial
165 <220> FEATURE:
166 <223> OTHER INFORMATION: PCR primer
168 <400> SEQUENCE: 12
169 ctaaaatttc agatgtttta ggatcacgaa cagaatcagt gaaatcagaa acat      54
172 <210> SEQ ID NO: 13
173 <211> LENGTH: 53
174 <212> TYPE: DNA
175 <213> ORGANISM: Artificial
177 <220> FEATURE:
178 <223> OTHER INFORMATION: PCR primer
180 <400> SEQUENCE: 13
181 ctgaaatttt agacatttca ccttgtgctt ttgggggtgt aagtgttaatt aca      53
184 <210> SEQ ID NO: 14
185 <211> LENGTH: 58
186 <212> TYPE: DNA
187 <213> ORGANISM: Artificial
189 <220> FEATURE:
190 <223> OTHER INFORMATION: PCR primer
192 <400> SEQUENCE: 14
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197 <211> LENGTH: 27
198 <212> TYPE: DNA
199 <213> ORGANISM: Artificial
201 <220> FEATURE:
202 <223> OTHER INFORMATION: PCR primer (SBC sense)
204 <400> SEQUENCE: 15
205 cgcggatccc tcaagtatga tgaaaat      27
208 <210> SEQ ID NO: 16
209 <211> LENGTH: 27
210 <212> TYPE: DNA

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211 <213> ORGANISM: Artificial
213 <220> FEATURE:
214 <223> OTHER INFORMATION: PCR primer (SBC anti-sense)
216 <400> SEQUENCE: 16
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220 <210> SEQ ID NO: 17
221 <211> LENGTH: 56
222 <212> TYPE: DNA
223 <213> ORGANISM: Artificial
225 <220> FEATURE:
226 <223> OTHER INFORMATION: PCR primer
228 <400> SEQUENCE: 17
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232 <210> SEQ ID NO: 18
233 <211> LENGTH: 54
234 <212> TYPE: DNA
235 <213> ORGANISM: Artificial
237 <220> FEATURE:
238 <223> OTHER INFORMATION: PCR primer
240 <400> SEQUENCE: 18
241 accacgacta cgtgatgaag aacgagaaga ggcttgactg ccgccacggc tacc      54
244 <210> SEQ ID NO: 19
245 <211> LENGTH: 53
246 <212> TYPE: DNA
247 <213> ORGANISM: Artificial
249 <220> FEATURE:
250 <223> OTHER INFORMATION: PCR primer
252 <400> SEQUENCE: 19
253 cacgtagtcg tggtaatcca cgtaattcaa ctcttggcag cagtcgtggg aat      53
256 <210> SEQ ID NO: 20
257 <211> LENGTH: 54
258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial
261 <220> FEATURE:
262 <223> OTHER INFORMATION: PCR primer
264 <400> SEQUENCE: 20
265 gcgagggcag tttcaccacc accgctagcc atacgagcag gagaattacc acga      54
268 <210> SEQ ID NO: 21
269 <211> LENGTH: 53
270 <212> TYPE: DNA
271 <213> ORGANISM: Artificial
273 <220> FEATURE:
274 <223> OTHER INFORMATION: PCR primer
276 <400> SEQUENCE: 21
277 gaaactgcc tgcactttt gctgcttgac cgtttgaacc agcttgagag caa      53
280 <210> SEQ ID NO: 22
281 <211> LENGTH: 54
282 <212> TYPE: DNA
283 <213> ORGANISM: Artificial

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285 <220> FEATURE:
286 <223> OTHER INFORMATION: PCR primer
288 <400> SEQUENCE: 22
289 tagtgacagt ttgaccttgt tgttggtggc ctttaccaga aactttgctc tcaa          54
292 <210> SEQ ID NO: 23
293 <211> LENGTH: 57
294 <212> TYPE: DNA
295 <213> ORGANISM: Artificial
297 <220> FEATURE:
298 <223> OTHER INFORMATION: PCR primer
300 <400> SEQUENCE: 23
301 caaactgtca ctaagaaatc tgctgctgag gcatactaaa agcctcgtca aaaacgt          57
304 <210> SEQ ID NO: 24
305 <211> LENGTH: 59
306 <212> TYPE: DNA
307 <213> ORGANISM: Artificial
309 <220> FEATURE:
310 <223> OTHER INFORMATION: PCR primer
312 <400> SEQUENCE: 24
313 ggaccacgac gcccaaatgc ttgagtgcgc ttgtactggt ttgtggcagt acgtttttg          59
316 <210> SEQ ID NO: 25
317 <211> LENGTH: 57
318 <212> TYPE: DNA
319 <213> ORGANISM: Artificial
321 <220> FEATURE:
322 <223> OTHER INFORMATION: PCR primer
324 <400> SEQUENCE: 25
325 gggcgctcgtg gtccagaaca aacccaaggt aatttcgggg accaagacct tatccgt          57
328 <210> SEQ ID NO: 26
329 <211> LENGTH: 59
330 <212> TYPE: DNA
331 <213> ORGANISM: Artificial
333 <220> FEATURE:
334 <223> OTHER INFORMATION: PCR primer
336 <400> SEQUENCE: 26
337 ggtaccaagc ttattaaatt tgcggccaat gtttgtaatc agtaccttga cggataagg          59
340 <210> SEQ ID NO: 27
341 <211> LENGTH: 27
342 <212> TYPE: DNA
343 <213> ORGANISM: Artificial
345 <220> FEATURE:
346 <223> OTHER INFORMATION: PCR primer (N sense)
348 <400> SEQUENCE: 27
349 cgcggatcct ctgataatgg tccgcaa          27
352 <210> SEQ ID NO: 28
353 <211> LENGTH: 30
354 <212> TYPE: DNA
355 <213> ORGANISM: Artificial
357 <220> FEATURE:

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RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 12/16/2005  
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27

Seq#:28

**VERIFICATION SUMMARY**

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Input Set : A:\134 Sequence Listing.ST25.txt

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L:18 M:270 C: Current Application Number differs, Replaced Current Application Number